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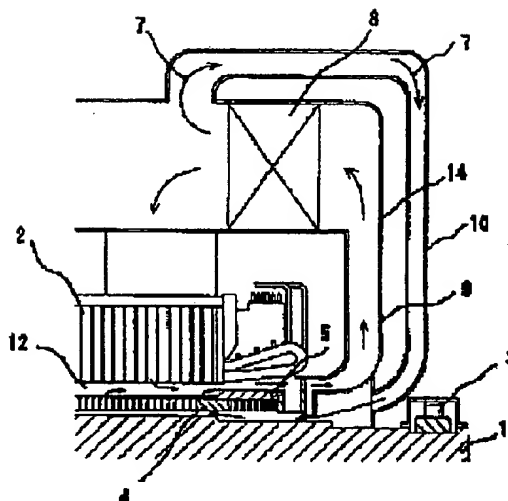
APPLICATION DATE : 19-11-96
APPLICATION NUMBER : 08307732

APPLICANT : HITACHI LTD;

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TITLE : ELECTRIC ROTATING MACHINE



ABSTRACT : **PROBLEM TO BE SOLVED:** To provide a highly reliable electric rotating machine at low cost by enhancing the cooling performance of a rotor through reverse flow system without impairing the cooling performance of a stator.

SOLUTION: The electric rotating machine is constructed to cool a stator 2 and a rotor 1 by feeding the gas from a fan 16 at the end part of the rotor 1 through a gas cooler 8. A rotor channel 10 having inlets at the gas cooler 8, a stator frame 9 and a gap on the outer diameter side of the stator and an outlet on the cooling gas take-in port side at the end of the rotor is provided independently from the stator frame 9.

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